

19980601.qrp v01_n109.qrs.980601

Date: Mon, 1 Jun 1998 19:03:14 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1109

QRP-L Digest 1109

Topics covered in this issue include:

- 1) [12130] Re: QRPP Problems
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 2) [12131] tubes
by bkobie@webtv.net (patrick obrien)
- 3) [12132] Re: [12100] Re: B&W 3007
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 4) [12133] HW-7 Receiver improvement
by Huttinger <Huttinger@gv.net>
- 5) [12134] Re: Coax dipole questions
by W7LS <w7ls@blarg.net>
- 6) [12135] S&S Multiband Rig Update
by "Gary M. - W2UX" <mail4gary@worldnet.att.net>
- 7) [12136] FS: 38S "semi-kit", package
by sigcom@juno.com (Stephen M Smith)
- 8) [12137] 1254 Finished
by Ron Giuntini <rong@slip.net>
- 9) [12138] Surge protector season
by Scott Bauer <ke3nv@erols.com>
- 10) [12139] Antenna Question
by "Kenneth W. Evans" <w4du@bellsouth.net>
- 11) [12140] Re: Antenna Question
by Arthur Moe <kb7ww@chatusa.com>
- 12) [12141] Re: Antenna Question
by "George T. Baker" <w5yr@swbell.net>
- 13) [12142] Re: The NorCal Philosophy
by Jim Lowman <jmlowman@ix.netcom.com>
- 14) [12143] Re: Call-signs
by Jon Iza <iapizloj@bicc00.bi.ehu.es>
- 15) [12144] The TT 252G P/S IS SOLD. THANKS
by "Bill NT1R" <wlegge1@maine.rr.com>
- 16) [12145] S&S Pse
by Dick G0BPS <G0BPS@kanga.demon.co.uk>
- 17) [12146] Re: Surge protector season
by "Fred Ringwald" <fred@innocent.com>
- 18) [12147] Re: The NorCal Philosophy
by w2bj@juno.com (Barry J Minsky)
- 19) [12148] Re: HW-7 Receiver improvement

- by Zack Lau <zlau@arrl.org>
- 20) [12149] Fell thru the cracks at San Luis Mach Co
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 21) [12150] Re: Fell thru the cracks at San Luis Mach Co
by "Fred Ringwald" <fred@innocent.com>
- 22) [12151] FS: R1 Receiver Module
by "Ed Pacyna" <pacyna@worldnet.att.net>
- 23) [12152] FS: MFJ 815B SWR/Power Meter
by "Ed Pacyna" <pacyna@worldnet.att.net>
- 24) [12153] FS: Antenna tuner
by "Ed Pacyna" <pacyna@worldnet.att.net>
- 25) [12154] RE: B&W 3007
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 26) [12155] Re: Fell thru the cracks at norcal
by marion@montana.com
- 27) [12156] Re: Your trip to Balto next week
by Chris Trask <ctrask@primenet.com>
- 28) [12157] Re: Antenna Question
by tom whalen <whalen@swcp.com>
- 29) [12158] QRP BONE DIG....its a long story....
by AA2Q0@aol.com
- 30) [12159] Re: QRP BONE DIG....its a long story....
by Bruce Rattray <rattray@gpfn.sk.ca>
- 31) [12160] Coaxial Dipole
by "James R. Duffey" <ji3m@maxwell.com>
- 32) [12161] M1 Transceiver from S&S.
by "Vincent Ferme" <vferme@sprint.ca>
- 33) [12162] wkd HF0POL
by "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
- 34) [12163] Hamboree 20, Midwest/Dakota Divisions Convention
by jerrydeen@juno.com (Gerald A Huldeen)
- 35) [12164] Re: SOLAR: need recommendations, panels & control
by Andy Fox <foxes@theriver.com>
- 36) [12165] Distantly QRP related
by Andy Fox <foxes@theriver.com>
- 37) [12166] Re: Distantly QRP related
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 38) [12167] Antenna Question - Field Day
by Brian Murrey <brian@iquest.net>
- 39) [12168] Spanish QRP Schmatics?
by "Nancy WZ8C" <nancy@tir.com>
- 40) [12169] Re: Antenna Question - Field Day
by "Ken Hanks" <kennfd@ibm.net>
- 41) [12170] Minnesota QRP Society June Meeting Announcement
by applitech@mcg.net (Claton Cadmus)
- 42) [12171] Re: Antenna Question - Field Day
by "Ivan Dubinsky" <ipd@direct.ca>
- 43) [12172] ELMER 101: U5 Mixer Problem - SOLVED!!!

- by Dale Scott <dcscott@us.ibm.com>
- 44) [12173] Pacificon 2N2222 Contest Rules
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 45) [12174] Re: AADE L/C IIB
by Stephen John Farthing <stephen@stevef.demon.co.uk>
- 46) [12175] Re: SOLAR: THANK YOU!!
by Wa2eaw@aol.com
- 47) [12176] Last Call on NorCal K8FF Paddle kits
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 48) [12177] SLV FOR FIELD DAY
by ARDUJENSKI@aol.com
- 49) [12178] PCB software
by haf47@juno.com
- 50) [12179] vertical dipole w/choke
by tom whalen <whalen@swcp.com>
- 51) [12180] Re: Antenna Question - Field Day
by tom whalen <whalen@swcp.com>
- 52) [12181] Re: AADE L/C IIB
by "Eugene Hall" <evhall@ix.netcom.com>
- 53) [12182] Re: QRP BONE DIG....its a long story....
by "Fred Ringwald" <fred@innocent.com>
- 54) [12183] Norcal Padles
by DENNISMO@aol.com
- 55) [12184] Grand Canyon Trip/QRP
by Joe Gervais <vole@primenet.com>
- 56) [12185] GPS question (not really QRP)
by Vic Rosenthal <rakefet@rakefet.com>
- 57) [12186] WTB: Micamold XTR-1 Qrp Transmitter
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 58) [12187] QRPTTF Log Deadline
by Joe Gervais <vole@primenet.com>
- 59) [12188] Goin' QRT to catch up
by Joe Gervais <vole@primenet.com>
- 60) [12189] Re: Minnesota QRP Society June Meeting Announcement
by biljohn@juno.com
- 61) [12190] Source for Gel-cell and Wal-wart charger
by Mike - W0TMW <crucis@sky.net>
- 62) [12191] Pixie2 question
by "JUNIUS B FOX" <w5hir@gte.net>
- 63) [12192] Not QRP ..Goldwater....
by "Grindrod, Ross [Pulp & Paper]" <GRINDRR@chh.co.nz>

Date: Sun, 31 May 1998 19:37:15 -0400
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: ki6ds@dpol.k12.ca.us
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [12130] Re: QRPp Problems
Message-ID: <3571E9AB.4B6C@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug Henricks wrote:

>Dennis Sheehan has posted to the net that he sent a check to us in 1996, and I
looked up his
>name in the database and see no record of his name. Tell you what Dennis, send
me your address
>and I will send you back issues for all of 1996, 1997 and a copy of the spring
issue of 1998,
>plus extend your subscription for the next 4 issues. All at no additional charge
to you. Or,
>if you wish, I will send you your \$15 back. But, I must say that your account
does not jive
>with what I know of Jim Cates. Jim would never tell anyone to stop bugging him,
it is just not
>his way.

Now from my experience, this is typical of NORCAL service, Jim Cates and
Doug Hendricks.

I don't know any of them personally, but I do know how I've been treated
when questioning my subscription, and parts issues on the two .38
special kits I purchased last year. Very few "professional" customer
service reps I've dealt with would offer to refund your money without
proof of payment. When was the last time you tried to return an item to
K-Mart???

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364	SCI #1479	QRP-L #945	ARS #203	ARCI #9606
C.A.T.T #2115	FIST 2360	NORCAL	ARRL	

Date: Sun, 31 May 1998 18:40:32 -0500
From: bkobie@webtv.net (patrick obrien)
To: qrp-l@Lehigh.EDU
Subject: [12131] tubes
Message-ID: <199805312340.QAA11437@mailtod-132.iap.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

DOES ANYONE HAVE THE ADDRESS OF THE FELLOW HAM IN CALIFORNIA WHO GIVES
AWAY FREE TUBES YOU PAY POSTAGE, I LOST MY ADDRESS, TNX IN ADVANCE 73
PAT/K8LEN

Date: Sun, 31 May 1998 16:50:12 -0700 (PDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: cebik@utkux.utcc.utk.edu
Cc: kg0mz@southwind.net, qrp-l@lehigh.edu
Subject: [12132] Re: [12100] Re: B&W 3007
Message-ID: <199805312350.QAA04291@netcom17.netcom.com>

Date: Sun, 31 May 1998 05:54:40 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

How coil-winding equipment works, with provision for embedding the turns into polystyrene rods, is easily imagined--but not necessarily easily implemented. I suspect that the alternative for the building community is for the mechanical minds in the community to develop a home-shop technique that will produce acceptable versions of the many inductor types represented by the 300x series. Whether it would amount to a technique that could become a "cottage industry" in support of home builder needs, I cannot say. However, there remain many applications in which nothing will substitute for a high quality air wound inductor.

I picked up a book, -Radio Projects for the Amateur- by VK3XU, reprinted by the G-QRP Club, when I was in the UK the previous May, that has a VERY good section on doing just this. It's about three pages, with pictures, so I can't include it here, but I think the book may be available in the US, perhaps from Kanga US?

It also references an article in "Ham Radio" August 1984 by W7KBE, which might be of interest.

73, doug

Date: Sun, 31 May 1998 17:10:06 -0700 (PDT)
From: Huttinger <Huttinger@gv.net>
To: qrp-1@Lehigh.EDU
Subject: [12133] HW-7 Receiver improvement
Message-ID: <199806010010.RAA18501@main.gv.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,
I am putting an HW-7 on the air. Is there such a thing as an improvement for the receiver that involves adding an RF amplifier?
Mike Huttinger

Date: Sun, 31 May 1998 17:29:14 -0700
From: W7LS <w7ls@blarg.net>
To: faunt@netcom.com
Cc: qrp-1@lehigh.edu
Subject: [12134] Re: Coax dipole questions
Message-ID: <3571F5DA.1AB5@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I use what's kinda known as a "snake in the grass" antenna, from time to time. It lays on the ground, but is a dipole, end fed. It works better up in the air for more horizontal launching, as in dx.

It is described in one of the ARRL Antenna Anthologies, somewhere. It does not use a separate outer braid. It uses a torroid, 1/4 wavelength from the end of the coax to stop the currents flowing on the outer surface of the coax. At the end of the coax, just tack a 1/4 wavelength hunk of handy wire with an insulator at the far end. That's it! Just make the coax that you put the torroid on, any convenient length.

The rf goes out from the rig, whirls through the torroid, keeps going to the end of the coax, and then the antenna begins. Current flows backward on the outer skin of the coax braid as well as the center conductor current flows right out along the 1/4 wavelength wire. The

current flowing backwards along the coax outside stops at the torroid.
Think of it as a choke.

I haven't gotten fancy enough to put a matching section at the torroid. It works, as is. I made mine out of cheap tv coax, btw.

I guarantee, this is about as simple, cheap, easy to deploy and retrieve as any antenna you can come up with.

73 de Jim, W7LS

Doug Faunt N6TQS +1-510-655-8604 wrote:

>
> Has anyone here successfully made an dipole by peeling the outer
> shield of the appropriate length of coax back on itself? If so, any
> hints on how to make it happen? My experiments so far have been failures.
> I'm beginning to think that I'll have to cut the braid loose, slide it
> back, and solder it together again.
>
> I'm looking for a light flexible antenna to be pulled up into the
> rigging of a replica of an 18th century frigate, for a two week trip
> and grounding will be problematical. I'm going to take the pieces for
> an W3EDP, but think that simple coax-fed units for 30M and 20M would
> also be useful.
>
> 73, doug

Date: Sun, 31 May 1998 20:35:20
From: "Gary M. - W2UX" <mail4gary@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [12135] S&S Multiband Rig Update
Message-ID: <3.0.3.16.19980531203520.3ba779e4@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

I dropped a note to Kathy at S&S Engineering asking about updates on their web page. Here is the reply. Thought that everyone might like to read it.

I know that I am excited about his unit. I loved the TAC-1 that I used to have. It is between this rig and the K2 for the new toy for Xmas.

=====
Dear Gary,

Sorry for the delay. I don't know what's happened to my Website manager.

He's usually pretty reliable. I guess I will have to actually telephone him (emails are not working). Maybe he lost the file I sent him.

Update on the rig: Software is progressing. This is generally the most time consuming part of the process and is coming along well. Transmitter is being tested with front panel. Receiver design is progressing including some of the great ideas we got at Dayton. We are still looking at release by mid-August '98.

Somehow I will get the info on the Website this week. Thanks for your patience.

73,

Kathy N3SAD

=====

=====

72/73 de W2UX
Gary McCaughey
Lexington, SC
CW is the REAL THING!
Use it....or lose it.
QRP-ARCI QRP-L CQC

=====

Date: Sun, 31 May 1998 21:21:32 EDT
From: sigcom@juno.com (Stephen M Smith)
To: qrp-l@Lehigh.EDU
Subject: [12136] FS: 38S "semi-kit", package
Message-ID: <19980601.182052.8159.0.sigcom@juno.com>

Group,

It is with a heavy heart (remember when LBJ started some of his speeches with that line?) that I have decided to sell my partially assembled 38S. Just too many (business) projects and not enough play time, sigh. So here's the deal:

CAVEAT EMPTOR: The 38S is -not- a radio for the neophyte builder or the faint of heart :-). It is really an experimental radio and generally requires some amount of fiddling to get it optimized. It was not designed to and does -not- work like one of the "big boy's" kits. I make no claims regarding this particular unit as to it's fitness for ham

consumption, except that it was assembled by me and that I have more than 25 years building experience. Other than that, it's as-is.

This is a package deal, including:

1 ea. NorCal 38 Special, complete with the original assembly manual. This rig has all the board mounted components attached and is in the "stock" configuration. It has -never- been powered up or tested at all. This is one of the first 200 shipped (#183 or 184, I think).

1 ea. black anodized aluminum enclosure (NO, this isn't a Doug Haufl case). I have other enclosures and may offer a substitution if the buyers wants.

1 ea. kit of components for the 5 Watt mod, including the FET.

1 ea. 13.8 Volt power supply with enough current capacity to handle the 38S at 5 Watts. (Note: This is an "open frame" type supply removed from some surplus equipment. It has been turned down from 15 Volts and has over-voltage protection (crowbar) and current regulation. The purchaser will have to provide whatever enclosure he or she wishes and a power cable.)

1ea. The infamous Radio Shack SW "fan" antenna, unmodified, including approximately 50 feet or so of RG-58/U cable and 2 PL 259 solder on connectors.

\$58.00 for the package, shipped USPS Priority.

The first person to e-mail me that he or she wants it will be considered to be the buyer. No lotteries, no pets picking names out of a hat and no whining :-). If the first deal falls through, I'll contact the next person.

73.....Steve, WB6TNL Oxnard, CA QRP-L #621 Zombie #2065 ex-WN6TNL (1967)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 31 May 1998 19:43:03 -0700
From: Ron Giuntini <rong@slip.net>
To: qrp-l@Lehigh.EDU

Subject: [12137] 1254 Finished
Message-ID: <35721537.51CA@slip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I finished my TT 1254 SW receiver, and it seems to work as advertised...I must agree with others that have commented on the 2.5 KHz stepping...it is not too great when tuning the ham bands, but if you know what freq you want it is ok for SWL. Also I would really like it better if it had a S meter...Otherwise, it is nice and small, runs off of 12V, looks good, and I built it myself.

Date: Sun, 31 May 1998 23:28:18 -0400 (EDT)
From: Scott Bauer <ke3nv@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [12138] Surge protector season
Message-ID: <199806010328.XAA10425@smtp1.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, here in Md it is getting close to thunderstorm season again. I went to the local store and bought two Transitrap surge protectors made by Alpha Delta. My plans are to use these with antennas at my new home.

After opening the bag and reading the instructions, I dont think these surge protectors will work for me. The fine print says the Transitrap will trigger if the SWR is over 2:1. Well, I have the DX-LB dipole that needs a wide range tuner for full band coverage on 160, 80 & 40 meters. I also have a vertical that hates rain, the SWR goes way up.

My question is, what does one use for use for lightning protection when using antennas that have a high VSWR?? Should I return the Transitrap and buy another brand??

Any advise will be appreciated.

72, Scott w3cv

Date: Sun, 31 May 1998 23:40:44 -0400
From: "Kenneth W. Evans" <w4du@bellsouth.net>
To: QRP List <qrp-1@Lehigh.EDU>, gqrpulist <gqrp-1@blacksheep.org>
Subject: [12139] Antenna Question
Message-ID: <357222BC.241C8D4A@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My recent post on info on kites as antenna supports has paid off. I now have a parafoil and a few antennas ready for my two weeks at the beach. One antenna not mentioned is a J-pole. All the data I read mentions using them at VHF. With the kite I could easily have J-poles on 80 meters and above.

It appears I could feed a half wave section with a quarter matching stub, provided I take care of the K factor(velocity) Any words of wisdom before I start cutting wire would be appreciated.

72/3,
Ken w4du@bellsouth.net
W4DU

Date: Mon, 01 Jun 1998 15:49:11 -0700
From: Arthur Moe <kb7ww@chatusa.com>
To: w4du@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [12140] Re: Antenna Question
Message-ID: <35732FE7.E938CE56@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kenneth,

I would be interested in your comments after you return. Which foil did you buy and how did it fly. How close to 90 degrees did it fly, at what wind speeds etc. Also any other info that might be of help. As far as the J-pole goes it should not be a problem I would think. You might also think about, just an 1/2 wave vertical and use a parallel tuned circuit to feed it.

Kenneth W. Evans wrote:

> My recent post on info on kites as antenna supports has paid off. I now
> have a parafoil and a few antennas ready for my two weeks at the beach.
> One antenna not mentioned is a J-pole. All the data I read mentions
> using them at VHF. With the kite I could easily have J-poles on 80
> meters and above.
>
> It appears I could feed a half wave section with a quarter matching
> stub, provided I take care of the K factor(velocity) Any words of
> wisdom before I start cutting wire would be appreciated.
>
> 72/3,
> Ken w4du@bellsouth.net
> W4DU

Date: Sun, 31 May 1998 22:56:41 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: w4du@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [12141] Re: Antenna Question
Message-ID: <35722679.CD120F9F@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ken, at such low frequencies I see no advantage to trying to match the high impedance at the end of a half-wave vertical with a quarter-wave transmission line section. That is the common approach leading to the conventional J-Pole at high HF and VHF.

Instead, simply use a parallel resonant LC circuit with a tap or a link to the coax. Connect one end to the antenna and the other end to the coax braid and perhaps to ground (not really necessary for antenna operation but good static and lightning drain protection).

Then tune the LC circuit for maximum rf voltage on the end of the antenna; you can check this with a neon bulb. (In the 40's I used to feed a 260-ft longwire on all bands (then) with this setup and tuned for maximum sparks off the antenna with a lead pencil!) Then you can fuss with the tap/link to get the SWR to suit. It works, and the half-wave vertical will never know where it is getting all that voltage!

Good luck!

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Kenneth W. Evans wrote:

>

> My recent post on info on kites as antenna supports has paid off. I now
> have a parafoil and a few antennas ready for my two weeks at the beach.

> One antenna not mentioned is a J-pole. All the data I read mentions
> using them at VHF. With the kite I could easily have J-poles on 80
> meters and above.

>

> It appears I could feed a half wave section with a quarter matching
> stub, provided I take care of the K factor(velocity) Any words of
> wisdom before I start cutting wire would be appreciated.

>

> 72/3,

> Ken w4du@bellsouth.net

> W4DU

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Sun, 31 May 1998 21:07:39 -0700

From: Jim Lowman <jmlowman@ix.netcom.com>

To: jparker@fix.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [12142] Re: The NorCal Philosophy

Message-ID: <3.0.32.19980531210339.006aee38@popd.netcruiser>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 07:54 PM 5/30/98 -0700, Jerry Parker wrote:

>Well Gang,

>

>you just got a restatement of the NorCal Philosophy from Doug Hendricks
KI6DS.

>

>Of course most if not all of you already know the NorCal Philosophy already

>and are
>
>THANKFUL that the Dougs, Jims and Pauls are part of our QRP community!
>
>The GREATEST part is that QRP'ers in general follow the same philosophy.
>
>They are selfless and give of themselves without question.
>
>Doug, thanks to you and the others for being there! You folks
>
>make our hobby what it is!

Absolutely right, Jerry!

I had the great pleasure of meeting Jim Cates, at the annual pre-FD gathering and picnic of the Zuni Loop Expeditionary Force, this afternoon. Jim is indeed the fine gentleman that everyone says; not that I ever had a doubt. I also had the pleasure of meeting Doug Hendricks at the same event, two years ago, and look forward to meeting Paul at Pacificon in October. All e-mail exchanges with the three gentlemen have been helpful, friendly and professional.

Often, we tend to lose sight of the fact that officers of our radio clubs and, for the most part, ARRL officials in general, are volunteers. We should not expect to hold them to the same standards as if they were making money as businessmen, yet we get unquestionably better response, service and enthusiasm than from many who are in the business.

My hat is off to all three gentlemen.

72/73 de Jim - AD6CW

Date: Mon, 01 Jun 1998 10:46:32 -0700
From: Jon Iza <iapizloj@bicc00.bi.ehu.es>
To: qrp-l@Lehigh.EDU
Subject: [12143] Re: Call-signs
Message-ID: <3572E8F8.7265@bicc00.bi.ehu.es>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,
the calls follow, more or less, a rule which has changed over the years.

The assignments by ITU of call blocks correspond to three letters, which delimit the edges of call sign allocations.

It used to be that Fixed stations had 3 letters, Ships had 4 letters and planes had 5 letters. In Spain: block EAA-EHZ was split and, for instance, network radio stations had EAJ-number or EAK-number calls, some military -air force- had ECK, ECM, that I remember, ships have marked on the sides big calls, such as EDHK, ... and all commercial planes had EC-ABC calls

Hams have EA-number-ABC with one letter suffix for repeaters, and two and three letter for station calls. (EB calls are for VHF-only CEPT class B, EC are for HF novices, ED-EE-EF are special calls, EG are for rare occasions and EH is for 6 meter operation)

When a full letter (i.e., GAA-GZZ) is assigned to one country, the administration may use prefixes with one single letter, G4XXX)

If a country has an assigned block with a number on it, usually the two first characters are used, followed by one digit and letters.

In the case of Greece, and the call block J4A-J4Z, they use J4 as a prefix, and the number and letters as usual. Therefore, you may hear J45XXX (I've worked in contests several J41 and J45 stations...

Typically, if there is an assignment of the digit to a different area, i.e. SV, SV5 and SV9, for different DXCC countries the number assignment follows the "original" calls... J41 = SV1 J45 = SV5

I hope this has enlightened a little the discussion.

jon, ea2sn

Date: Mon, 1 Jun 1998 05:44:17 -0400
From: "Bill NT1R" <wlegge1@maine.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [12144] The TT 252G P/S IS SOLD. THANKS
Message-ID: <199806010917.FAA23961@prefetch-atm.maine.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Date: Mon, 1 Jun 1998 13:09:54 +0100
From: Dick G0BPS <G0BPS@kanga.demon.co.uk>
To: qrp-1@Lehigh.EDU
Subject: [12145] S&S Pse
Message-ID: <nqs0UbASopc1EwBA@kanga.demon.co.uk>
MIME-Version: 1.0

Hi Gang,

anyone got an email address for Dick n Kathy at S&S

Thanks..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Mon, 1 Jun 1998 07:34:22 -0500
From: "Fred Ringwald" <fred@innocent.com>
To: "QRP-L Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
<ke3nv@erols.com>
Subject: [12146] Re: Surge protector season
Message-ID: <004c01bd8d59\$9badb420\$5070d9d0@fred.ott.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Scott,

I used to use Alpha Delta Transitraps, but I don't any more. Polyphaser =
makes a better system, but I think that ICE's products are even better.

They are located at:

Industrial Communications Engineers, Ltd.
PO Box 18495
Indianapolis, IN 46218-0495
+1 (317) 545-5412 | Fax +1 (317) 545-9645

The problem with the Alpha Delta is described in a lot more detail in a =
"whitepaper" that ICE offeres freely (be sure to ask for all the =
whitepapers they offer), but the essence is that the gas tube device =
used by the Alpha Delta device does not have the capability of carrying =
the current transferred by a lightning strike. As a result, the gas =
tube fails, and the lightning current continues down your coax to your =
rig.

I purchased their ground rod mounting plate and two of their arrestors. =
The plate has a hole at the bottom that fits over the top of a ground =
rod with a screw that locks the plate to the rod. The arrestors mount =
on the plate. This gives you a very good single point ground. The =
ground rod is just outside my shack so there is very little coax between =
the ground rod and my rig.

Hope this helps.

73s,

Fred Ringwald, AB0AE
fred@innocent.com

-----Original Message-----

From: Scott Bauer <ke3nv@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, May 31, 1998 10:32 PM
Subject: Surge protector season

>
> Well, here in Md it is getting close to thunderstorm season
>again. I went to the local store and bought two Transitrap
>surge protectors made by Alpha Delta. My plans are to use
>these with antennas at my new home.
> After opening the bag and reading the instructions, I dont
>think these surge protectors will work for me. The fine print
>says the Transitrap will trigger if the SWR is over 2:1. Well,
>I have the DX-LB dipole that needs a wide range tuner for
>full band coverage on 160, 80 & 40 meters. I also have a vertical
>that hates rain, the SWR goes way up.
>
> My question is, what does one use for lightning protection
>when using antennas that have a high VSWR?? Should I return the=20
>Transitraps and buy another brand??
>
> Any advise will be appreciated.
>=20
> 72, Scott w3cv=20
>
>

Date: Mon, 1 Jun 1998 08:22:24 -0400
From: w2bj@juno.com (Barry J Minsky)
To: jmlowman@ix.netcom.com
Cc: qrp-l@Lehigh.EDU
Subject: [12147] Re: The NorCal Philosophy
Message-ID: <19980601.083432.11630.0.w2bj@juno.com>

I agree 100%. All of my correspondence with NorCal volunteers have been helpful. I have found them to be very responsive and friendly. They are the kind of people we need in our QRP community.

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,

Knightlites, Adventure Radio Society #359,

Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers Club #3723

Amateur Radio Missionary Service

On Sun, 31 May 1998 21:07:39 -0700 Jim Lowman <jmlowman@ix.netcom.com> writes:

>At 07:54 PM 5/30/98 -0700, Jerry Parker wrote:

>>Well Gang,

>>

>>you just got a restatement of the NorCal Philosophy from Doug
>Hendricks

>KI6DS.

>>

>>Of course most if not all of you already know the NorCal Philosophy
>already

>>and are

>>

>>THANKFUL that the Dougs, Jims and Pauls are part of our QRP
>community!

>>

>>The GREATEST part is that QRP'ers in general follow the same
>philosophy.

>>

>>They are selfless and give of themselves without question.

>>

>>Doug, thanks to you and the others for being there! You folks

>>

>>make our hobby what it is!

>

>Absolutely right, Jerry!

>

>I had the great pleasure of meeting Jim Cates, at the annual pre-FD
>gathering

>and picnic of the Zuni Loop Expeditionary Force, this afternoon. Jim

>is
>indeed
>the fine gentleman that everyone says; not that I ever had a doubt. I
>also
>had the pleasure of meeting Doug Hendricks at the same event, two
>years ago,
>and look forward to meeting Paul at Pacificon in October. All e-mail
>exchanges
>with the three gentlemen have been helpful, friendly and professional.
>
>Often, we tend to lose sight of the fact that officers of our radio
>clubs and,
>for the most part, ARRL officials in general, are volunteers. We
>should not
>expect to hold them to the same standards as if they were making money
>as
>businessmen, yet we get unquestionably better response, service and
>enthusiasm
>than from many who are in the business.
>
>My hat is off to all three gentlemen.
>
>72/73 de Jim - AD6CW
>
>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 01 Jun 1998 08:57:53 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [12148] Re: HW-7 Receiver improvement
Message-ID: <3572A551.3095@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No, adding a preamp would be like giving a long distance runner
struggling to finish a race heavy lead weights to carry across the
finish line.

It isn't very good to begin with, and increasing signal levels makes it worse. It isn't unusual to find gutted HW-7s. If you happen to a mint condition HW-7, you might save/sell it as a collectors item and get modern design for everyday use.--Zack Lau W1VT

Date: Mon, 1 Jun 1998 08:54:27 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-1@Lehigh.EDU
Subject: [12149] Fell thru the cracks at San Luis Mach Co
Message-ID: <85256616.0046615D.00@dpinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Am not sure where Roy ordered his extra bearings but I ordered 4 extras from San Luis Mach Co. (not NorCal) on Dec 8, 1997 and have not received them either. Any e-mails I have sent regarding this shipment have gone unanswered. I wonder if snail-mail will be any better.

On the same day, I ordered my 2nd K8FF paddle kit from NorCal and it did come pronto.

For what it is worth - Watson/WB4EXW

=====

I ordered four extra K8FF bearings back in Nov. 97, checked cleared in Dec. Many e-mails later, still no bearings. Probably not intentional on their part, but their system does allow thing to fall in the cracks.
Roy AB7CE

Date: Mon, 1 Jun 1998 08:13:40 -0500
From: "Fred Ringwald" <fred@innocent.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [12150] Re: Fell thru the cracks at San Luis Mach Co
Message-ID: <002801bd8d5f\$18cc65a0\$5070d9d0@fred.ott.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Gang,

I just had a similar experience with the San Luis Machine company, and I =
learned the reason for it.

Doug Hauff had a computer failure, and he lost 2200 email messages =
before he could reply to them. If you sent him email, try it again, and =
your results should be much better this time. The email message I just =
got from Doug was apologetic, and he really wants to be responsive to =
us.

Doug has had a significant backlog, but he is catching up.

I hope this helps.

73s,

Fred Ringwald, AB0AE
fred@innocent.com

-----Original Message-----

From: Watson R Gabriel Jr <wgabriel@duke-energy.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, June 01, 1998 7:57 AM
Subject: Fell thru the cracks at San Luis Mach Co

>Am not sure where Roy ordered his extra bearings but I ordered 4 extras
>from San Luis Mach Co. (not NorCal) on Dec 8, 1997 and have not =
received

>them either. Any e-mails I have sent regarding this shipment have gone
>unanswered. I wonder if snail-mail will be any better.

>

>On the same day, I ordered my 2nd K8FF paddle kit from NorCal and it =
did

>come pronto.

>

>For what it is worth - Watson/WB4EXW

>=3D=
=3D=
=3D=

>

>

> I ordered four extra K8FF bearings back in Nov. 97, =

checked

>cleared in Dec. Many e-mails later, still no bearings. Probably not
>intentional on their part, but their system does allow thing to fall in =
the
>cracks.

Roy AB7CE

>
>
>
>
>

Date: Mon, 1 Jun 1998 09:48:17 -0400
From: "Ed Pacyna" <pacyna@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [12151] FS: R1 Receiver Module
Message-ID: <000701bd8d63\$eef11e60\$7367440c@ed>

The R1 module is a 2.5 x 3.5 inch circuit board containing an SBL-1 diode ring mixer, low pass filtering (5 element) and low distortion audio amplifier. With an appropriate local oscillator and input tuned circuit, it can serve as a direct conversion receiver for frequencies between 1 and 500 MHz, or as the last conversion stage in a superhet. Detailed circuit description and construction information is in August '92 QST. Built and tested for \$48 + ship.

Ed, W1AAZ

Date: Mon, 1 Jun 1998 09:51:48 -0400
From: "Ed Pacyna" <pacyna@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [12152] FS: MFJ 815B SWR/Power Meter
Message-ID: <000901bd8d64\$6c9fcd20\$7367440c@ed>

New condition, MFJ 815B Deluxe HF SWR/Power meter (reads peak or average).

2000/500 & 200/50 watt ranges, 1.8 to 60 MHz.

Price is \$45 + ship

Ed, W1AAZ

Date: Mon, 1 Jun 1998 09:57:51 -0400
From: "Ed Pacyna" <pacyna@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [12153] FS: Antenna tuner
Message-ID: <000b01bd8d65\$45172540\$7367440c@ed>

L Network HF antenna tuner.

Compact size (Grey enclosure, 6" W x 4 1/2" H x 8" D) using highest quality parts (Johnson 18 uH roller inductor, Johnson 250pF variable capacitor, B&W turns counter) and can handle from QRP to 2KW. Price is \$125 + ship.

Ed, W1AAZ

Date: Mon, 1 Jun 1998 10:13:04 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-1@Lehigh.EDU
Subject: [12154] RE: B&W 3007
Message-ID: <36784.owen@piper.eeel.nist.gov>

In message Sat, 30 May 1998 20:18:47 -0400,
"Harry Hurst" <hhurst@delaware.infi.net> writes:

> Barker & Williamson is still around, and they have a web site that's not
> easy to find (I lost the URL). Coil stock is still available, but the
> prices are breathtaking.

B&W's web page is <http://www.bwantennas.com>
The 3007 is 2"long 5/8"dia 16 Turns/in of #20 and the single unit price
from B&W is \$15.00.

72 Jim K4CGY qrp-1 #72

Date: Mon, 1 Jun 1998 09:16:00 -0600 (MDT)
From: marion@montana.com
To: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
Cc: qrp-l@Lehigh.EDU
Subject: [12155] Re: Fell thru the cracks at norcal
Message-ID: <199806011516.JAA26955@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:56 AM 6/1/98 -0400, you wrote:

>Roy, I did exactly the same thing -- but on Dec 8. I did order mine from
>San Luis Machine Co. I have not gotten my bearings either. Amazes me that I
>cannot even get an answer to my e-mails that I have sent over the past
>months. Maybe I should send them a snail-mail letter.

>

>I posted a note to QRP-L on this as well.

>

>Watson - WB4EXW

>

>

> Yes, I ordered from San Luis Machine as well. But could get no response
from them, so I e-mailed Doug. He said he would get them. Still never saw
them. Then I put my comment on the list, and now Doug says he is mailing
them priority mail. After we are done making keys, looks like we will get
them. Oh well, maybe they will come in handy for another project. Roy AB7CE

Date: Mon, 1 Jun 1998 07:30:22 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: mike czuhajewski <wa8mcq@abs.net>
Cc: Danny Gingell <k3tks@abs.net>, Bruce Musolino <w6toy@erols.com>, Scott
Rosenfeld <ham@w3eax.umd.edu>, Scott Bauer <ke3nv@erols.com>,
Craig Sterling <cjsterl@ix.netcom.com>, Chris Cartwright
<ccart@dns.vidtel.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12156] Re: Your trip to Balto next week
Message-ID: <Pine.BSI.3.96.980601071903.22758A-1000000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 31 May 1998, mike czuhajewski wrote:

> Chris T, I presume you're still slated to come to Balto next week to
> present your paper at the IEEE MTT-S at the convention center. I'm
> trying to get my company to let me go to see the exhibits on company
> time, but I'll be wandering the aisles even if I have to take leave.
>
> A while back you indicated that you'd be available some night for a QRP
> Out of Towner Supper--is that still the case? Think you said you'd have
> wheels, too, which will be a big help.
>

Yes, it's still the case. I'm arriving late Sunday and leaving
early Friday. My paper is on Thursday afternoon. We changed our hotel
arrangements so that we did not need wheels. The travel agency had
originally put out 'way out by Mount Vernon, of all places.

>
> If still available, please let me know and we can work something out.
> Would Olive Garden be acceptable? We often use the one in Laurel, which
> is about half way between Balto and DC. Makes for a good, convenient
> location--not too far for most of the Hard Core (which is the CC line).
>

Anything that is convenient with everyone else would be just fine.
I'm looking forward to meeting with yourselves and a number of other
people at this convention.

BTW: George sent me a couple of electric yellow QRP-ARCI
membership forms with my two mouse pads, one of which is here at my
desk. Could I get some more to place at my presentation area? There
will undoubtedly be a number of people curious about ARCI, and it
would be a good opportunity to introduce others to the club.

>
> I still think it was incredibly BONE HEADED, whoever set the dates, to
> make this convention on EXACTLY the same three days as the AFCEA
> convention in DC!!! I don't think a jury would convict anyone of mayhem
> against the people involved...at least as long as you could stuff the
> jury with engineers and other high tech folks :-) I like to think there
> are probably quite a few hundred or thousands of people who would be
> interested in both events--or maybe people with dual interests like me
> are in the minority. Sigh....
>
> BTW, Gary Breed was at Dayton, talked at FIDM, and I believe he
> indicated that he'll be at MTT-S.
>

He should be, since he's the editor of Applied Microwave and
Wireless. He was one of the many people I wanted to meet at Dayton,
prior to my having to bow out for financial reasons.

I'm still working on an outline for the receiver front-end design series. I will have about 8-10 mixers to evaluate, including a number of feedback mixer circuits.

```

      ,-----,
     /  What's all this  \
    / extinct stuff, anyhow? \
   /-----,-----\
  _ | /
oo\
(--) \
     \  .  .  .
      \  '  '  '
       \  ( )  \
        \ - | ) _ _ | : . \
         \ | | | | | \ ' .
          \ c _ _ ; c _ _ ; ' - . ' > . _ _

```

Circuit Design for the RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Mon, 01 Jun 1998 08:31:37 -0600
From: tom whalen <whalen@swcp.com>
To: w4du@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12157] Re: Antenna Question
Message-ID: <3572BB49.FB4@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kenneth W. Evans wrote:

>
> My recent post on info on kites as antenna supports has paid off. I now
> have a parafoil and a few antennas ready for my two weeks at the beach.
> One antenna not mentioned is a J-pole. All the data I read mentions
> using them at VHF. With the kite I could easily have J-poles on 80
> meters and above.
>
> It appears I could feed a half wave section with a quarter matching

> stub, provided I take care of the K factor(velocity) Any words of
> wisdom before I start cutting wire would be appreciated.
>
> 72/3,
> Ken w4du@bellsouth.net
> W4DU

Hi Kenneth,

I have been doing some J-pole modeling on a 30 meter version. Using the cheap type of 300 ohm twinlead, I have found that using $.8 \times 246/f$ works pretty close for the quarter wave matching stub. For the tap, start with $.0134 \times 984/f$ and that will get you in the ballpark. You will have to do some fine tuning on the tap. Maybe even play with the length of the 1/2 wire. On my 30 m J, the tuning tap turned out to be $.0112 \times 984/f$.

Here are some figures for you.

Based on 3.8 mhz

1/4 wave section is 51.8'

1/2 wave radiator 121.7'

Tap point is 40.5 inches from the shorted end

Try to get Belden type 8230 twinlead, it is stronger and has more flex life than equivalent twin-lead.

--

Enjoying QRP!!

Rigs: Ten Tec Argo 509, SST-30, GM-15, OHR Spirit 40, Emtech NW20

IC-706, 38S, 49er, Bare Essentials, Mizuho MX-7s, ST. Louis tuner

Org: QRP-L 640, scQRPion 22, Norcal 1979, Fists 4465, ARS 396

Home of the "spud gun antenna launcher"-- Sometimes railroad mobile

Date: Mon, 1 Jun 1998 11:06:52 EDT

From: AA2QO@aol.com

To: qrp-l@Lehigh.EDU

Subject: [12158] QRP BONE DIG....its a long story....

Message-ID: <10168cdf.3572c38d@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Well, it was the best of times, and the worst of times.

We drove the 8 hours upstate to the motel, and slept that night with visions of DX dancing in our heads. We had everything. We checked our lists more often than Santa Claus. We were ready for anything-rain, snow, or lazy solar cycles. I've learned one thing in my short life that I repeatedly forget-

Be careful when you're ready for anything-cause anything's waiting just around the corner.

That first day was the hardest hike I've ever made in my life. There were more black flies and mosquitoes than most of the local old timers could remember. I'm talking swarms that give you nightmares and post traumatic stress disorder. Swarms that carry small land mammals away never to be seen or heard from again. Clouds of 'em so thick you could skip a 6 meter wave off 'em and work the next county.

Can you see where this story is going yet?

Turns out the first campsite is also much farther than we thought it to be. Seems that George was there a few years back, under much better conditions. He's hiking ahead of me and my wife, and calls back on the HT that he's finally at the site (keep in mind it's around 5:30pm...and getting dark). We begin to rejoice and dance and kiss, until he calls back and tells us that it's the wrong lake. The lake before the right lake. Another hour before the right lake. He won't stop saying lake and I want to punch him.

You begin to weigh the benefits of suicide in light of news like this, when coupled with exhaustion, dehydration, and extreme blood loss. You want to know you're marriage is strong when your wife hears this news with you.

So what about the bone dig? This is a QRP list, afterall. (Sigh)

By the time we set up the tents, muddled through dinner, and fed/watered the dogs, it was way past dark and past the point of physically tossing a dipole in the air. We

regretfully
retired with images of you guys diligently searching out the signals of our
first night s
sked. It was a hard decision, believe me. But I love my wife, and as giving as
the ham
community is, ain t a one of you out there coming over to help me cook and
clean and
mow the lawn (HIHI).

Second night, not so bad. Antennas up in the air. Gear out of the bag.
Everything in nice
rows with polished connectors. George can t wait to get the Sierra going, and
is setting up
like a little kid who just got the Xmas present he s been waiting all year
for.

I plug in the 38S, and the noise floor is zero. Below zero. Quieter than I
could have
imagined. Signals are pouring in S9 and 10 and 20 over...blowing my ears away.
At last,
QRP nirvana. I quietly thank the smoke spirits and proceed to send a few V s,
only to
experience the horror of realizing that there isn t enough juice in the radio
to pump out a
single watt from the rig.

There are some things worse than death.

The battery is dead. Not quite dead. Comatose is more accurate of a
description. How?
How is this? How is this possible? The realization is slow coming at first,
but exponential
in its development. First I imagine how much lighter the packs would have
been if we d
left all the QRP gear home. Then I remember the hours spent putting up the web
site,
building paddles, antennas.....I m almost crying now, and I haven t even told
George.
(who spent a week of weekends putting together his Sierra in time for the
trip...).

Bottom line, we managed to run the power cable to our HT batteries and operate
the
Sierra for two nights, with less than exciting results. We learned more than
will fit on one
page about how to prepare for the next time, maybe a good thing as George and
I will be
operating field day from a similar location with the same gear next month. It

was our first
really big QRP a-field , and we basically came away with the realization you
all already
know - with QRP, simpler is always better. It s almost a prerequisite.

(And always put tape across the leads of the Gel Cell when you pack it next to
a stainless
steel dog bowl.. HIHI)

So, our thanks to all who listened patiently those nights. We aim to make it
up to you next
trip out. If anything, it was like pizza. Yes, pizza. Even bad pizza is better
than most
things cooked well, and a bad QRP weekend in the woods is better than my best
day at
work. Case closed.

So it s back to the paddles, boys. Harness up the dogs, and check the packs.
There s a
breeze blowing in from the south, and I can feel the wild calling.

If I m not mistaken, it sounds a lot like CQ DX .

-Best Regards to all

Mike Lydick (AA2Q0)
George Collier (KC2BIS)

Date: Mon, 1 Jun 1998 09:17:34 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: AA2Q0@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12159] Re: QRP BONE DIG....its a long story....
Message-ID: <Pine.SOL.3.91.980601091551.13981B-1000000@gpfn1.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well as I was taught during the 15 years I lived in New Hampshire George;
..."Live and learn; die and forget it all!"....thanks for the report and
looking forward to next time.....I'll be listening again!...72 -
Bruce(VE5RC)

Date: Mon, 1 Jun 1998 09:25:52 -0600
From: "James R. Duffey" <ji3m@maxwell.com>
To: faunt@netcom.com
Cc: qrp-1@Lehigh.EDU
Subject: [12160] Coaxial Dipole
Message-ID: <v03007800b1986abbe9fb@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Doug - You asked;

"Has anyone here successfully made an dipole by peeling the outer shield of the appropriate length of coax back on itself? If so, any hints on how to make it happen?"

Not exactly what you are looking for, but close; recent copies of The ARRL Handbook and ARRL Antenna Handbook have plans for a similar antenna which uses the outside of the coax rather as the second half of the radiator rather than peeling back the coax. This length is isolated with a choke made by winding the coax in a coil. They are called "resonant feedline dipoles" or something similar.

I have not made the antenna you describe, or the one in the Handbook, but I can see where they might be tricky to get working. Since the upper and lower radiators are of different diameters, they need to be of different lengths to achieve resonance. Also, it seems like the diameter of the folded back portion has to be larger to be folded back over the lower section and hence the length will be smaller than the portion it has peel peeled back from.

You should read L. B.'s page, particularly his comments on vertical radiators. That should give you some insight as to why you are having troubles. - Duffey

James R. Duffey <ji3m@maxwell.com> (505) 764-3143
Maxwell Technologies Inc. <http://www.maxwell.com/>
2501 Yale Blvd SE Suite 300
Albuquerque, NM 87106-4200

Date: Mon, 1 Jun 1998 11:19:24 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@Lehigh.EDU>
Subject: [12161] M1 Transceiver from S&S.

Message-ID: <007f01bd8d70\$ab044800\$f31005d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The info on the M1 is now available.

http://www.xmetric.com/sseng/m1_transceiver.shtml

73 de Vince, VE3VFN.

Date: Mon, 1 Jun 1998 17:49:26 +0200
From: "Peter Zenker DL2FI" <Peter_DL2FI@csi.com>
To: "'Internet Liste via PoP3'" <qrp-1@Lehigh.EDU>
Subject: [12162] wkd HF0POL
Message-ID: <000001bd8d74\$e7a7d2a0\$653ae8c3@ZENKERPN.perkin-elmer.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What do you do if WPX CONTEST crowd's the bands, making it a horror to run QRP? Exactly, use 10 MHz, there is no one of that big guns during contest time. I did and worked a JH stn first, a TA as the second and then heard HF0POL calling CQ. No one answered, so I tried it after the next CQ sequence, and he answered. DL2FI / QRP de HF0POL!!! I was running 2 Watt out of my Sierra into a Vertical (8,50 meters long aluminium mast plus 4 sidewires at the same feed point for extra resonances in form of a cone no radials, standing 1,5Meters above ground, All this in my garden using candle light. We had a normal qso, not only exchange of RST. Stan asked me to try 1 Watt and to QSY to 40M, but I could not adjust the power because it was very dark and 40 meter was too crowded by the contest. I lost Stan after half an hour, but it was a great fun.

72 de Peter DL2FI

Date: Mon, 1 Jun 1998 10:51:18 -0600
From: jerrydeen@juno.com (Gerald A Huldeen)
To: IaQRP-L@divis17.ped-gen.uiowa.edu
Cc: qrp-l@Lehigh.EDU
Subject: [12163] Hamboree 20, Midwest/Dakota Divisions Convention
Message-ID: <19980601.105227.6542.3.Jerrydeen@juno.com>

Hi Gang,

Just had to let everyone know how much I enjoyed seeing everyone. The qrp luncheon was fun, getting to meet all of the new Iowa Qrp group, and Having Ade W0RSP there was an extra treat. Ade presented two great forums, and had enthusiastic audiences for both events. (Friday - 40 persons, Saturday- 32 persons). Our paid attendance was in excess of 800 for the convention. We are planning to add to the qrp events next year, and hope manyh of you can make it. The convention dates are June 4 & 5, 1999 at the Marina Inn, South Sioux City, NE.

The following, in no particular order, enjoyed lunch with the qrp group.

John Burnley NU0V
Paul Sipes KB0JIT
Willi Gibson KG0MH
Steve Sellmeyer WB0QQT
Adam Kanis N2BRT
Mark Milburn KQ0I
Kevin Martin KC0AXK
Jim Zellmer KA0VSL
Ade Weiss W0RSP
Jerry Huldeen WB0T
Jeff Will AA0PN

Jerry Joens KI0IH was here part of the day, but had to return home.

It was a fun two days! John and Jerry KI0IH and others did a great job with the Iowa QRP table. Thanks to all.

(I Cc: to qrp-l in case there are some more Iowa qrp"rs out there who want to know more about us. I hope the qrp-l list will be understanding about our enthusiasm!)

72,
Jerry WB0T
Sioux City, IA
QRP-L #1268, ARCI #5641, FISTS #3807, IA QRP #4
jerrydeen@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 01 Jun 1998 09:03:33 -0700
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12164] Re: SOLAR: need recommendations, panels & control
Message-ID: <3572D0D5.CCFB1188@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

Somebody else has probably already posted this, but the best source of information for Renewable Energy is Home Power magazine. Go here:

<http://www.homepower.com/>

and start clicking on the hyperlinks. Richard, Karen, Kathleen and Bob-0 are all hams, and have been practicing what they preach for a very long time.

Bob-0 has a business called Electron Connection. His prices are excellent. He is both ethical and knowledgeable.

Enjoy!

--

72/73 de Andy, KK7HV - QRP-L #1286 - Benson, AZ

Date: Mon, 01 Jun 1998 09:05:43 -0700
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12165] Distantly QRP related
Message-ID: <3572D157.CDD50ADF@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Check out the fourth anagram, below -

An Anagram, as we all know, is a word or phrase made by transposing or rearranging the letters of another word or phrase.

Dormitory	==	Dirty Room
Evangelist	==	Evil's Agent
Desperation	==	A Rope Ends It
The Morse Code	==	Here Come Dots
Slot Machines	==	Cash Lost in 'em
Mother-in-law	==	Woman Hitler
The Earthquakes	==	That Queer Shake
Eleven plus two	==	Twelve plus one
Contradiction	==	Accord not in it
Snooze Alarms	==	Alas! No More Z's

--

72/73 de Andy, KK7HV - QRP-L #1286 - Benson, AZ

Date: Mon, 1 Jun 1998 09:04:50 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Andy Fox <foxes@theriver.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12166] Re: Distantly QRP related
Message-ID: <Pine.LNX.3.96.980601090341.10189B-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Dormitory	==	Dirty Room
> Evangelist	==	Evil's Agent
> Desperation	==	A Rope Ends It
> The Morse Code	==	Here Come Dots
> Slot Machines	==	Cash Lost in 'em
> Mother-in-law	==	Woman Hitler
> The Earthquakes	==	That Queer Shake
> Eleven plus two	==	Twelve plus one
> Contradiction	==	Accord not in it
> Snooze Alarms	==	Alas! No More Z's

Sometimes, when these words were created, they knew ahead of time about this sort of stuff. I wonder how many words in the English dictionary that were originally coined as a joke? Like Desperation above... :-D

Oh well...

=====

KC5TJA/6 | -| TEAM DOLPHIN |-
DM13 | Samuel A. Falvo II
QRP-L #1447 | <http://www.dolphin.openprojects.net>

Date: Mon, 1 Jun 1998 09:27:31 -0700
From: Brian Murrey <brian@iquest.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [12167] Antenna Question - Field Day
Message-ID: <3572D673.4722@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If this question is too dumb for an answer, just ignore it.

I'm planning on operating on Field Day with my local club. I'm going to be using my new 40A and my new ZM-2 tuner (if I ever get it wired correctly).

They're pretty much sticking me in an open grassy area, no trees, nothing to hang a wire on. I was thinking that I might try using mag wire for an antenna, hoisted via helium balloons. How does this sound, I use a 35' long wire for the "vertical" and a 35' wire laid on the ground as a radial. I plan on working the Novice CW portion of 40m, battery powered, and maybe even solar powered.

Ideas?

72 de KB9BVN

QRP-L 1541

Date: Mon, 1 Jun 1998 12:58:41 +0000
From: "Nancy WZ8C" <nancy@tir.com>
To: QRP-L@Lehigh.EDU
Subject: [12168] Spanish QRP Schmatics?
Message-ID: <199806011701.NAA19913@sun.tir.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi All,

Anyone speak Spanish? I think he is interested in getting QRP schematics via Email. If you can help him out pse reply directly to him, not thru me as I don't know him, he got my address from the FISTS web page.

73
Nancy

Forwarded Message Follows -----Date: Mon, 01 Jun 1998 11:31:32
-0500

dear frend,
my name is luis galina my call lu7hhe,
y live in mina claverro cordoba argentina,
y' am entusiast de qrp rig's in cw,
do you send de circuits via e-mail hgal@arnet.com.ar,
thank's my friend,
qrv you nead, 73 dx.

Date: Mon, 1 Jun 1998 13:04:29 -0400
From: "Ken Hanks" <kennfd@ibm.net>
To: <brian@iquest.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [12169] Re: Antenna Question - Field Day
Message-ID: <01bd8d7f\$5748e540\$15676420@kh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not a dumb question. It would work. You can even improve performance by adding more radials at the base.
Good luck in FD!

73, Ken K1XS@ibm.net

Date: Mon, 1 Jun 1998 12:13:29 -0500
From: applitech@mcg.net (Claton Cadmus)

To: "QRP-1" <qrp-1@Lehigh.EDU>, "MNQRP" <mnqrp@qth.net>
Subject: [12170] Minnesota QRP Society June Meeting Announcement
Message-ID: <000201bd8d80\$d6eb0a20\$a30a5e2c@groucho>

Attention all Minnesota QRPer's

The June Meeting of the Minnesota QRP Society will be held this Saturday, June 6th, at 1:30pm. The meeting will be located at the Minnetonka Community Center, Minnetonka, MN. All those that will be in the area are welcome, visitors and non-members alike. I will be showing off stuff from the FDI Symposium and I'm sure we'll be talking up Field Day plans too. Hope to see you there.

Directions to the Center: (a map is available on the web page below)

Exit 494 at Minnetonka Blvd. (just south of 394) and go west to Williston Road (less than 1/4 mile) and turn right(north). The Community Center is the first building on your right. Plenty of parking right there. If you need talk in, we will have someone on the 145.45 repeater.

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Mon, 1 Jun 1998 10:21:35 -0700

From: "Ivan Dubinsky" <ipd@direct.ca>

To: <brian@iquest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [12171] Re: Antenna Question - Field Day

Message-ID: <01bd8d81\$ba7884c0\$d961f4cc@ast>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello Brian,

This is not a dumb question and an antenna such as you describe could work quite well provided it's not too windy a day. You will want to secure the base of the antenna securely to the ground by driving in a stake or some similar method, otherwise you could lose your whole

station when a gust of wind comes up. If you will only be operating in the novice portion of the 40 meter band you might be able to eliminate the tuner altogether. If you use the formula for a 1/4 wave ground plane (which this basically is) you come out with a length for the vertical radiator of just under 33 feet. A small swr meter suitable for qrp output levels could be used to confirm the match before operating. The reason I mention this is because if you are using the ZM-2 tuner and the wind does start blowing your antenna around, you could find yourself constantly retuning as the swr fluctuates. As for radials, 2 would be better, 3 or more would be best.

Good luck on FD . Hope this helps.

Ivan Dubinsky VE8ID

-----Original Message-----

From: Brian Murrey <brian@iquest.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Monday, June 01, 1998 9:31 AM

Subject: Antenna Question - Field Day

>If this question is too dumb for an answer, just ignore it.

>

>I'm planning on operating on Field Day with my local club. I'm going to

>be using my new 40A and my new ZM-2 tuner (if I ever get it wired >correctly).

>

>They're pretty much sticking me in an open grassy area, no trees, >nothing to hang a wire on. I was thinking that I might try using mag >wire for an antenna, hoisted via helium balloons. How does this sound, I

>use a 35' long wire for the "vertical" and a 35' wire laid on the ground

>as a radial. I plan on working the Novice CW portion of 40m, battery >powered, and maybe even solar powered.

>

>Ideas?

>

>72 de KB9BVN

>

>QRP-L 1541

>

>

Date: Mon, 1 Jun 1998 13:24:57 -0400
From: Dale Scott <dcscott@us.ibm.com>
To: <qrp-1@Lehigh.EDU>
Subject: [12172] ELMER 101: U5 Mixer Problem - SOLVED!!!
Message-ID: <50301000211789670000002L072*@MHS>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

I am building the SW30+ and have run into a problem. When I completed Lesson 4, I observed that Q3 was switching properly and that there was a complex waveform on pins 4 and 5 of U5. Feeling confident that all was well, I moved on to Lesson 5 and installed T2 and T3 and related components. The complex waveform observed on pins 4 and 5 of U5 are also present on the output of T2 but the output of T2 is flat. After checking all component values, orientation, solder joints etc. I finally concluded that T2 was probably working as designed, ie the input signal was outside of the bandpass of T2.

With that in mind I started backtracking and taking a closer look at the waveforms on U5 and made the following observations.

- 1) L0 as measured at the base of Q2 is about 2.439 mhz and 2.6V p-p.
- 2) L0 as measured at pin 2 of U5 is about 0.16 V p-p.
- 3) Pin 7 of U5 is a beautiful modulated sinewave (NOT WHAT I EXPECTED)=
. P-P
voltage is about .05 V and it appears to be a signal of about 24-25 mhz modulated by at about a 2.4-2.5 mhz rate. I was expecting to see a 7.68 mhz sinewave here. I have rechecked Y5, RFC2, C28, and C29. All values are proper, connections look good, etc.

What should I be seeing on Pin 7 of U5? Assuming that what I am observing is not right, any ideas of what might be wrong?

TURNED OUT THAT THE CRYSTAL (Y5) WAS BAD. UP AND RUNNING NOW.....

Thanks & 72 - - dale/w7hlo

Dale C. Scott
IBM -- Engineering Technology Solutions
(206) 587-2784 8/277-2784

Internet: (work) dcscott@us.ibm.com
(home) dcscott@ibm.net
OV/VM: dcscott@ibmusm54
=

Date: Mon, 1 Jun 1998 10:27:18 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@Lehigh.EDU>
Subject: [12173] Pacificon 2N2222 Contest Rules
Message-ID: <01bd8d82\$878be880\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The response to the 2N2222 contest at Dayton was nothing short of fantastic. We are going to repeat the contest at Pacificon, but we will add a few wrinkles to make it more interesting and fun for the designers.

Here are the rules.

1. Design a QRP Transceiver for any band.
2. Use as many transistors as you wish.
3. Use any kind of transistor, i.e. NPN, PNP, FET, MosFET, etc.
4. Passive mixers may be used. TUF-1's, SBL-1's etc. are ok, IC's such as NE602's, the Plessey series and the 1496's are not ok.
5. No IC's may be used other than 3 pin voltage regulators.
6. Design must be accompanied by a legible schematic on 8.5 x 11 paper, use as many pages as needed.
7. A brief description of the circuit and the design, this must be typed and may be up to 5 pages.
8. Need not be present to enter, but entrant is responsible for getting entry to and from Pacificon. Jim Cates and I will not be able to handle any entries.
9. Winners of Dayton 2N2222 Contest not eligible.
10. Entrants to 2N2222 contest not eligible for entry in K5FO unlimited class.
11. Judging to take place at the NorCal QRP Open House at Pacificon, Saturday, Oct. 17th at 8 PM.

12. Entry in the contest will give QRPP first rights at publication of the article on the project.

13. Diodes, such as LED's, pin diodes, silicone, germanium, shottky, etc are acceptable.

The purpose of this contest is to avoid using IC's so that a better understanding of the circuit will be apparent. 72, Doug, KI6DS

Date: Mon, 1 Jun 1998 07:24:46 +0100
From: Stephen John Farthing <stephen@stevef.demon.co.uk>
To: qrp-1@Lehigh.EDU
Subject: [12174] Re: AADE L/C IIB
Message-ID: <Y5N61DAukkc1EwMR@stevef.demon.co.uk>
MIME-Version: 1.0

They have a web site which has the circuit diagram and, I think, the manual and lay out. I do not have the URL to hand, however I have an L/C 2B and can verify it's excellence. Use Yahoo or some other search engine to find the Web site. In the UK I believe that Mainline Electronics act as agents.

73

--
Stephen John Farthing MBCS G0XAR
Melksham, Wiltshire UK
RSGB G-QRP 7766

Date: Mon, 1 Jun 1998 13:58:01 EDT
From: Wa2eaw@aol.com
To: SSLYON@worldnet.att.net, qrp-1@Lehigh.EDU
Subject: [12175] Re: SOLAR: THANK YOU!!
Message-ID: <e66bb6d4.3572ebaa@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi to Seab & Sharon;
RE: Solar panals.
I have read all the threads to your post. and I will put in my slightly differant 2 cents.

I have operated solar panals.

I have done this in Florida where the sun is intense in heh summer and on the beach , the Atlantic is my counter poise and there are not to many people to gauk at me. Though the XYL stays as far away as possible:-)

I have a gell cell batt. that I used with my video camera.

I run an HW 8. draws 480ma on xmit. I can run it right off the panal. \The panel is a very cheap one, dont remember where I got it but I got 2 and in parallel I get 14Vdc at 500ma.. I use the batt when a rotten cloud comes by. Not too often. To keep the panals pointed at the sun (being very cheap) I put a dowel into the frame I made for the panals and the dowel is 1) removable so I can close the frames and carry it as an attache case. (very Cheap construction) and 2) the dowel is vertical so when I get the shortest shadow of the dowel I got a maximum perpindicular to the sun.

I do have a Micro M charge controller but I dont use it.

I think I paid \$30.00 for my 2 panals.

If I can be of any further help e-mail me direct.

72/73 Bob...<wa2eaw@aol.com>

Date: Mon, 1 Jun 1998 11:26:42 -0700

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: <qrp-1@Lehigh.EDU>

Subject: [12176] Last Call on NorCal K8FF Paddle kits

Message-ID: <01bd8d8a\$d36ed020\$630a0d0a@doug.dpol.k12.ca.us>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guys, we are at the end of the run for the NorCal Paddle kits. We have 100 kits left, and when they are gone, we will not be selling the kits any longer. If you want to get one, order now. The price is \$30 plus \$5 s&H in the US. The order goes to Jim Cates, 3241 Eastwood Rd., Sacramento, CA 95821. Please make checks out to Jim and NOT to NorCal. There will not be any further runs of this kit, as we will turn our attention to the next kit, the NorCal 20.

Remember this is a kit, not a finished paddle. All of the parts are there, and several have finished theirs using ordinary hand tools. All of the machining of the parts has been done, all parts are there, all that you have to do is put it together, polish if you wish, or leave it rough, it still works great. No springs, magnetic action, and the paddles have a great feel when they are properly tuned.

Pictures of the finished paddle can be seen on the NorCal web page. 72,
Doug, KI6DS

Date: Mon, 1 Jun 1998 15:11:17 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU
Subject: [12177] SLV FOR FIELD DAY
Message-ID: <5b014a39.3572fcd6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

An interesting question was raised about portable antenna for FIELD DAY when no supports .

QUESTION #1: Has anyone used a SLV for FIELD DAY and have any experiences to share with its performance? (80M, 40M, 20M ??)

QUESTION #2: Has anyone used two SLV's as phased verticals in the field. If so, was it difficult to set up for proper phasing and any marked improvements?

QUESTION #3: Does elevating the SLV say 10ft or 20ft and run the radials down at an angle make any improvement in operation?

Thanks...Alan KB7MBI

Date: Mon, 1 Jun 1998 15:25:49 -0400
From: haf47@juno.com
To: qrp-1@Lehigh.EDU
Subject: [12178] PCB software
Message-ID: <19980601.152551.3614.0.haf47@juno.com>

Hi all...I am looking for suggestions on software for producing PC boards. I'm not going into business, just looking for something simple and cheap (shareware OK), with autorouting.

It's time to make my little projects look good....and make them available for club projects.

Any advice appreciated.

73, Howie

WA2AFD
haf47@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 01 Jun 1998 13:22:36 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [12179] vertical dipole w/choke
Message-ID: <3572FF7C.55F1@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hola QRP-ler's!

Did a little antenna experimenting today before work. Someone mentioned yesterday about using the shield of the coax as the other half of the dipole, by inserting a choke a quarter wave down the line. Sounded interesting to me, so I made one for 10 meters.

Added a wire 8'3" to the center connector of the coax. At that point down the coax about 8' feet or so, I added the 2.5" dia by 1/2 inch thick toroid. Through this toroid I wound 5 turns of the coax into a 5" dia coil with the turns taped together.

Very interesting antenna! Fine tuning can be accomplished by pulling on the last turn and that seems to set the resonate frequency right where you want to go. This antenna covers the whole 10 meter band with an swr of under 2:1. Can be positioned as a vertical, dipole, or inv vee.

Thanks for the idea whomever it was....think it was W7LS, but sort of a guess. OK, who was it that mentioned this idea for a backpacking antenna? Fess up now!

Tomorrow will make one for 30 meters and see what happens.

72, Tom WB5QYT

--

Enjoying QRP!!

Rigs: Ten Tec Argo 509, SST-30, GM-15, OHR Spirit 40, Emtech NW20

IC-706, 38S, 49er, Bare Essentials, Mizuho MX-7s, ST. Louis tuner

Org: QRP-L 640, scQRPion 22, Norcal 1979, Fists 4465, ARS 396

Home of the "spud gun antenna launcher"-- Sometimes railroad mobile

Date: Mon, 01 Jun 1998 13:22:50 -0600
From: tom whalen <whalen@swcp.com>
To: brian@iquest.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [12180] Re: Antenna Question - Field Day
Message-ID: <3572FC55.7F28@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brian Murrey wrote:

>
> If this question is too dumb for an answer, just ignore it.
>
> I'm planning on operating on Field Day with my local club. I'm going to
> be using my new 40A and my new ZM-2 tuner (if I ever get it wired
> correctly).
>
> They're pretty much sticking me in an open grassy area, no trees,
> nothing to hang a wire on. I was thinking that I might try using mag
> wire for an antenna, hoisted via helium balloons. How does this sound, I
> use a 35' long wire for the "vertical" and a 35' wire laid on the ground
> as a radial. I plan on working the Novice CW portion of 40m, battery
> powered, and maybe even solar powered.
>
> Ideas?
>
> 72 de KB9BVN
>
> QRP-L 1541

Hi Brian, try using a 1/2 wave wire for 40 m or about 66' long. Have it come off the back of your single wire tuner tap and tune it that way. A single radial as you describe above, will not work too well. If your going the 1/4 wave route, you need more radials to get better efficiency. With the 1/2 wave vertical, it is already a complete antenna. Electrically it is a vertical dipole.

Have fun, and if the wind is blowing too hard, try a Delta Kite or a Parafoil.

72, Tom WB5QYT

--

Enjoying QRP!!

Rigs: Ten Tec Argo 509, SST-30, GM-15, OHR Spirit 40, Emtech NW20

IC-706, 38S, 49er, Bare Essentials, Mizuho MX-7s, ST. Louis tuner

Org: QRP-L 640, scQRPion 22, Norcal 1979, Fists 4465, ARS 396

Home of the "spud gun antenna launcher"-- Sometimes railroad mobile

Date: Mon, 1 Jun 1998 15:34:01 -0400
From: "Eugene Hall" <evhall@ix.netcom.com>
To: <stephen@stevef.demon.co.uk>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <wa4hhp@amsat.org>
Subject: [12181] Re: AADE L/C IIB
Message-ID: <199806011937.0AA20267@dfw-ix11.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Their web page is <http://www.aade.com>

Gene WA4HHP Summerville, SC

> From: Stephen John Farthing <stephen@stevef.demon.co.uk>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Re: AADE L/C IIB
> Date: Monday, June 01, 1998 2:24 AM
>
> They have a web site which has the circuit diagram and, I think, the
> manual and lay out. I do not have the URL to hand, however I have an L/C
> 2B and can verify it's excellence. Use Yahoo or some other search engine
> to find the Web site. In the UK I believe that Mainline Electronics act
> as agents.
>
> 73
>
> --

> Stephen John Farthing MBCS G0XAR
> Melksham, Wiltshire UK
> RSGB G-QRP 7766
>

Date: Mon, 1 Jun 1998 15:02:25 -0500
From: "Fred Ringwald" <fred@innocent.com>
To: <AA2Q0@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [12182] Re: QRP BONE DIG....its a long story....
Message-ID: <006c01bd8d98\$338f0bc0\$6270d9d0@fred.ott.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I finally figured it out. What is it about QRP that has attracted so =
many of us, and has kept us here?

The answer: We all like stories. We like living them, we like telling =
them, we like hearing them. QRP gives us an endless supply of new =
stories about our building adventures, about our home and field =
operating adventures, about our conference adventures, etc.

Mike and George, you had a wonderful adventure, and I think I enjoyed =
reading about it as much as you did telling it. Thanks!

Thank you all for the stories. There will be many more, and they will =
all be just as much fun as the last.

73s,

Fred Ringwald, AB0AE
fred@innocent.com

Date: Mon, 1 Jun 1998 16:12:21 EDT
From: DENNISMO@aol.com
To: qrp-1@Lehigh.EDU
Subject: [12183] Norcal Padles
Message-ID: <ea4a0261.35730b26@aol.com>
Mime-Version: 1.0

Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable

Hi gang..

Can someone tell me what the base demensions are on the NorCal paddles? =
I=0Alooked through their website but couldn't find the size of the base. =
I=0Aprobably just missed it. Hech growing old you know!

Thanks...

73's es 72's de Denny

Denny / AD6EZ
PROMISE KEEPER
FISTS # 4570 / QRP-L # 1359
ARCI #9637 10-X # 69158 / Six Club # 242

HAMing It Up Everyday In Goleta, CA

Section: Santa Barbara
Long: 34.437 N Lat: 119.868 W=A0=A0=A0
Grid: DM04BK
WEB PAGE: <http://members.aol.com/dennismo>

Date: Mon, 1 Jun 1998 13:48:47 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [12184] Grand Canyon Trip/QRP
Message-ID: <199806012048.NAA08457@usr08.primenet.com>

Howdy Folks,

Wow - what a great trip! Just got back from backpacking
the Grand Canyon ("Biggest Gopher Hole this side of Mars").
More specifically, I hiked from the South Rim to the North
Rim and back (following Bright Angel and North Kaibab
trails). Incredible! Walking through that much geology
and so many different climate/life zones is a truly unique
experience.

Due to the heavy mileage, I needed to bring a really

lightweight station along (well of *course* I was planning to get some QRP in! ;-)), so I'd ordered an SST-20 from Wilderness Radio. Built it the night before I left, worked great right off the bat. Also took along my ZM-2 tuner, Whiterook keyer, 8-AA's, and a half-wave wire and counterpoise made from 22-ga teflon coated wire. *Entire* setup weighed about 1.5 lbs! Still a bit hefty for my ultralight backpacking bias, but I'm working on it. ;-)

The first day (South Rim to North Rim) exposed me to afternoon temps in the high-90's at the bottom of the Canyon, and an overnight low in the mid-30's on the North Rim. BUBBA and FYBO all in one day. :-)

When I set up my SST-20 on the North Rim (Saturday), I realized one small problem. I'd forgotten about the @#\$^! DX contest! Wouldn't have been a problem if I was staying on the Rim all day (as originally planned). 20m would open up nicely and I might get some ARS QRP DX. Unfortunately I'd managed to get a permit for Cottonwood Campground 7 miles down the canyon that night. Just as I could start to hear the DX, I had to shut down. :-(I called CQ for quite awhile, but as you might guess had no luck. I heard plenty of loud US sigs, of course. None of 'em were too interested in working W7 though. :)

Was *really* hoping to find and work the "QRP BONE DIG" gang, but the contest pretty much ruled out any chance I might've had. Nuts.

Anyway, just wanted to say thanks to any who may have been listening for me. Sorry we didn't get to hook up! Next time I'll plan my backpacking trips around a big VHF contest or something. :)

Full report to follow in a few weeks. Gotta catch up on life. Happy Hamming!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"FREEZE! EVERYBODY GET DOWN!"

"Well which is it, young feller? You want I should freeze or get down on the ground? Mean to say, if'n I freeze I can't rightly drop, and if'n I drop I'm gonna be in motion. Ya see..."

"SHUT UP!"

"Okay then."

-- Raising Arizona

Date: Mon, 01 Jun 1998 13:59:30 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [12185] GPS question (not really QRP)
Message-ID: <35731632.6514AA6A@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm sorry to take up BW for this, but I know I will get a good answer here:

I want to get a cheap GPS receiver to take with me on a little hiking / camping and, yes, QRP operating trip I'm taking with my son. I don't know the first thing about this, other than the fact that prices go from reasonable to astronomical (so to speak). So, experts, which one do I want (cheap, simple, but good)?

Vic, K2VCO

Date: Mon, 1 Jun 1998 16:10:54 -0500
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: "'QRP-L'" <qrp-1@Lehigh.EDU>
Subject: [12186] WTB: Micamold XTR-1 Qrp Transmitter
Message-ID: <21B46CBD022AD1118F0500805F15A06884A01F@STPMSX05.stp.guidant.com>
MIME-Version: 1.0
Content-Type: text/plain

Greetings:

I am looking to buy a Micamold XTR-1 qrp transmitter. This is a two tube (heavens!) qrp transmitter from the 50's. Yes, I promise to use it regularly on 7040 and 14060 qrp frequencies! Prefer good physical and operating condition.

Thanks.

Scott WA9WFA Saint Paul Minn
scott.freeberg@guidant.com
QRP-ARCI #7299, Norcal, ARRL-LM

Date: Mon, 1 Jun 1998 14:16:31 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [12187] QRPTTF Log Deadline
Message-ID: <199806012116.0AA09780@usr08.primenet.com>

Howdy Folks,

The QRPTTF Log deadline is upon us! Last chance to send in proof that you were there and radiating with the best of 'em! :)

Email is fast and easy, or you can snail-mail 'em too.

I realize not everyone has received "confirmation of receipt" messages for the logs they've already emailed to me. I'll take care of that this week.

Thanks!

Cheers de AB7TT,

-Joe, vole@primenet.com, NorCal Contest Manager,
NorCal QRP, AZ ScQRPions, and many other fine,
furry groups....

"It's hard to be unhappy when you have warm feet."
- Dave Rose, Fellow Snow Camper

Date: Mon, 1 Jun 1998 14:33:49 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [12188] Goin' QRT to catch up
Message-ID: <199806012133.0AA10431@usr08.primenet.com>

Howdy again,

I'm going to be off the air and off QRP-L for a

few weeks while I catch up on email/work/deadlines/
QRP chores. My old Sergeant Major would refer to
this as an "administrative stand-down". :-) I'll
still check private email in case any questions
come up (QRPTTF, etc.)

Hope to be all caught up soon. Thanks!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"'Fraid nobody around here, understands my potato;
Think I'm only a Spudboy, looking for a real tomato." -DEVO

Date: Mon, 1 Jun 1998 17:17:41 -0500
From: biljohn@juno.com
To: cla@mcg.net
Cc: qrp-1@Lehigh.EDU, mnqrp@qth.net
Subject: [12189] Re: Minnesota QRP Society June Meeting Announcement
Message-ID: <19980601.171742.26406.1.biljohn@juno.com>

Have a great meeting guys! I will be on vacation.

Bill
K9YEQ

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 01 Jun 1998 17:34:22 -0600
From: Mike - W0TMW <crucis@sky.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [12190] Source for Gel-cell and Wal-wart charger
Message-ID: <35732C6E.2ABCC482@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FWIW...

Just received a catalog that has new 12V 5ah/7ah batteries and 500ma wall charger.

Tower Hobbies (<http://www.towerhobbies.com>)
800/637-4989

12V 7ah gel-cell \$19.99
12V 5ah \$15.99
12v 500ma charger \$10.99

Usual disclaimer.

Mike - W0TMW

--

```
=====
Mike Watson, W0TMW           QCWA Mbr # 28651, Chap. 35
Raymore, MO USA             Grid: EM28st ARCI# 9647
http://www.sky.net/~crucis
E-mail: crucis@sky.net      ARS# 352, QRP-L# 1489
=====
```

Date: Mon, 1 Jun 1998 17:30:28 -0500
From: "JUNIUS B FOX" <w5hir@gte.net>
To: <qrp-1@Lehigh.EDU>
Subject: [12191] Pixie2 question
Message-ID: <01bd8dac\$e116c8a0\$ee6afed0@w5hir.gte.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

HI Y'all,

I bought a couple of Pixie 2 kits from HSC. The included yellow ad page says "160 -10 meter 80m supplied)". Everything was included by the parts count, but I am wondering about the xtal. Was this supposed to have been included or not?? If so I didn't receive one in either kit.

If anyone on the reflector has bought one from HSC and did get the rock, please let me know..

regards,

Foxy w5hir@gte.net

If it ain't broke, don't mess with it!

Date: Tue, 2 Jun 1998 10:48:08 +1200
From: "Grindrod, Ross [Pulp & Paper]" <GRINDRR@chh.co.nz>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [12192] Not QRP ..Goldwater....
Message-ID: <199806012247.KAA17428@host02.net.voyager.co.nz>
MIME-Version: 1.0
Content-Type: text/plain

I hate to bringing back the past but ,This week end in New Zealand the solders that pasted through Vietnam finally had a welcome home parades a young ham in the 70's I well remember the Phone patches between the serviceman and relatives back home all made possible due to people like Barry Goldwater.(SNR).

A moment in reflection will bring back a light in a dark time all through Amateur Radio and dedicated men.

73's
ZL3DC

End of QRP-L Digest 1109

